006172

Department of Energy

Ohio Field Office
Fernald Closure Project
175 Tri-County Parkway
Springdale, Ohio 45246
(513) 648-3155

JUN 5 2006

DOE-0139-06

Mr. James A. Saric, Remedial Project Manager
United States Environmental Protection Agency
Region V, SR-6J
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

Mr. Tom Schneider, Project Manager
Ohio Environmental Protection Agency
Southwest District Office
401 East 5th Street
Dayton, Ohio 45402-2911

Dear Mr. Saric and Mr. Schneider:

MISCELLANEOUS SMALL STRUCTURES – PHASE II PROJECT AMENDMENT #4 PAGE CHANGE NOTICE 2 FOR ABOVE GRADE DECONTAMINATION AND DISMANTLEMENT OF THE TRAIN TRESTLE AND REMAINING SITEWIDE RAILROAD TRACKS (COMPONENT G-001) AND PROJECT AMENDMENT #2 PAGE CHANGE NOTICE 1 FOR ABOVE GRADE DECONTAMINATION AND DISMANTLEMENT OF COMPONENT 35A (SILO 4)

This letter transmits the Miscellaneous Small Structures – Phase II Project Amendment #4 Page Change Notice 2 (PCN2) For Above Grade Decontamination And Dismantlement Of The Train Trestle And Remaining Sitewide Railroad Tracks (Component G-001) and Amendment #2 PCN1For Above Grade Decontamination And Dismantlement Of Component 35A (Silo 4).

The current Amendment #4 PCN1 Table 4-1 identifies April 15, 2006 and May 10, 2006 as the start date for sitewide railroad tracks and train trestle demolition respectively. Therefore, Amendment #4 PCN2 is being issued to reflect the schedule changes made to Table 4-1.

Additionally, during a routine review of Miscellaneous Small Structures – Phase II document, it was discovered that Table 4-1 of Amendment 2 (Decontamination and Dismantlement of Silo 4) identified issuance of the project completion report for Silo 4 to occur thirty days after demolition complete. The project completion information for Silo 4 will be contained within the overall Miscellaneous Small Structures - Phase II Project Completion Report. Therefore, Amendment 2 PCN1 is being issued to reflect this change.

Please remove the existing pages affected by Amendment 4 PCN2 and Amendment 2 PCN1 and replace them with the enclosure.

If there are any questions concerning this subject, please contact me at 513-648-3139.

Sincerely,

Johnny Reising

Johnny W. Reising
Director

Enclosure

w/enclosure:
E. Skintik, OH/FCP
G. Jablonowski, USEPA-V, SR-6J
T. Schneider, OEPA-Dayton (three copies of enclosure)
M. Cullerton, Tetra Tech
M. Shupe, HSI GeoTrans
AR Coordinator, Fluor Fernald, Inc./MS6

w/o enclosure:
J. Fry, Fluor Fernald, Inc./MS14
F. Johnston, Fluor Fernald, Inc./MS99
C. Murphy, Fluor Fernald, Inc./MS01
P. O'Neill, Fluor Fernald, Inc./MS14
D. Sizemore, Fluor Fernald, Inc./MS01
ECDC Fluor Fernald Inc./MS52-7 Project Number 1751.1.1

Enclosure:

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MISCELLANEOUS SMALL STRUCTURES PHASE II IMPLEMENTATION PLAN FOR ABOVE-GRADE DECONTAMINATION AND DISMANTLEMENT

DOCUMENT NUMBER 1751-PL-0004 (REV. 0) PCN1

INCLUDES:

COVER PAGE/RECORD OF REVISION

AMENDMENT 2 (PCN1) PAGE CHANGES

PAGE 3

AMENDMENT 4 (PCN2) PAGE CHANGES

PAGE 3

OPERABLE UNIT 3

MISCELLANEOUS SMALL STRUCTURES PHASE II IMPLEMENTATION PLAN FOR ABOVE-GRADE DECONTAMINATION AND DISMANTLEMENT

JUNE 2006

FERNALD CLOSURE PROJECT
FERNALD, OHIO

U. S. DEPARTMENT OF ENERGY
FERNALD AREA OFFICE

FINAL

DOCUMENT CONTROL NO. 1751-PL-0004 (REV. 0) PCN1

RECORD OF ISSUE/REVISION

DATE	REVISION NO.	DESCRIPTION AND AUTHORITY
9/26/02	Rev. 0	Issued Final Implementation Plan
2/03	Rev. 0, PCN1	Issued revised Figure 4-1, MSS Phase II D&D Project Remediation Schedule. The revised schedule has been modified to support Fernald site closure (as defined in the Fernald Closure Contract) by December 31, 2006.
8/5/03	N/A	Amendment 1 added nineteen (19) additional buildings/components to the MSS Phase II Complex D&D Implementation Plan
9/3/03	N/A	Transferred Buildings 20E, 20F and Component 18J from the Multi-Complex Implementation Plan to the MSS Phase II Implementation Plan per letter #DOE-0501-03 dated September 3, 2003.
1/27/04	N/A	Amendment 2 added Component 35A (Silo 4) to the MSS Phase II Complex D&D Implementation Plan.
10/04	N/A	Amendment 1 (PCN 1) issued in response to Regulatory Agencies comments regarding Amendment 1. Note: Due to changes in personnel during the August 2003 timeframe, Amendment 1 was not issued to the regulatory agencies until 8/04 (approximately one year later).
2/17/05	N/A	Amendment 3 added Components 18Y (AWWT Ozone Generation Building) and 93A (Southwest Boiler House) to the MSS Phase II Complex D&D Implementation Plan.
1/13/06	N/A	Amendment 4 added the Train Trestle (at Paddy's Run) and the Sitewide Railroad Tracks (Component G-001) to the MSS Phase II Complex D&D Implementation Plan.
2/6/06	N/A	Amendment 4 (PCN1) issued changes to the Table 4-1 D&D Schedule. The Train Trestle start/completion dates are May 10, 2006 and June 16, 2006 respectively. The sitewide Railroad Tracks start/completion dates are April 15, 2006 and June 16, 2006 respectively.
6/1/06	N/A	Amendment 2 (PCN1) issued a change to the Table 4-1 D&D Schedule. The project completion report information for Silo 4 will be provided as part of the MSS Phase II Project Completion Report. Amendment 4 (PCN2) issued changes to the Table 4-1 D&D Schedule. The Train Trestle start/completion dates are July 8, 2006 and July 15, 2006 respectively. The sitewide Railroad Tracks start/completion dates are June 12, 2006 and July 17, 2006 respectively.

system. There are 23 decant ports on the east side wall and 23 on the west side wall. The dome has seven manways. Five manways have an internal diameter of approximately 20 inches. One manway is centered. Four of the manways are arranged radially, about 25 feet from the center manway and 90 degrees apart. There are two additional 24-inch manways, one at the southern dome edge and one at the eastern dome edge. The dome also has 24 two-inch diameter sounding pipes and one six-inch diameter vent pipe. A concrete frame was constructed on the west side of the silo wall during 2002. The frame is approximately two feet by two feet at the header and three feet by two feet for the sides, reinforced concrete dowelled into the silo framing a 15 feet by 20 feet future opening. Sections of the opening area have been removed.

A structural steel bridge was constructed over 35A as part of the Vitrification Pilot Plant Project. The bridge has a concrete foundation on the northwest and southeast sides of the silo. Each foundation is 18 feet by 24 feet by 2.3 feet thick below-grade with four above-grade concrete piers (exposed) supporting each bridge column. The bridge has two towers that are 10 feet by 16 feet by 50 feet high and a center span of 98 feet by 16 feet by 10 feet high. The bridge contains an enclosed metal siding headhouse section, a hoist, various blowers, ductwork, piping and lighting. The equipment was never used.

Process Area Description – Component 35A was constructed in 1952 and never used during processing. Since Component 35A is empty, it has exhibited deteriorated concrete conditions due to the freeze-thaw cycling and alkali-silica reaction. The deterioration is evident through spalling of the roof, walls & floor and cracking/popouts on the walls. While the walls have evidence of delamination, the reinforcing appears to be predominately corrosion free.

Component 35A has been used for demonstration purposes in support of other projects. The silo has been used as a training location for confined space, emergency response and for the small-scale waste retrieval mock-up in 1996. Prior to construction of the current Silo 3 Remediation Project facility, underground lines were cut and abandoned around and between the Silos 3 and 4. In 2002, the Silo 3 project constructed a concrete frame on the west side of the silo to demonstrate concrete saw cutting into the silo. During 2003 and 2004, workers demonstrated manipulation of the Vacuum Wand Management System from the bridge. The Advanced Waste Retrieval project demonstrated cutting openings into the dome using a water laser during 2003. The debris from these two projects has been placed into the silo for disposition with the main structure.

4.0 Schedule

The implementation schedule for field remediation of Component 35A (Silo 4) is identified in Table 4-1.

Table 4-1 Component 35A D&D Schedule

Activity	Date
Demolition Start	One week after EPA approval.
Complete Demolition	Approximately six weeks after demolition start.
Issue Project Completion Report	As part of the MSS Phase II Project Completion Report. See Figure 4-1 from the MSS Phase II D&D Project Implementation Plan, 1751-PL-0004 (Rev 0) PCN1 dated February 2003.

PCN1

5.0 Photographs

Photos compiled for Component 35A (Silo 4) are summarized in Table 5-1 and attached as Appendix A.

Table 5-1 Photographs

Component	Photo #
35A (Silo 4)	7325D-883
35 A (Silo 4)	8027D-155

Process Area Description – Most recently, material from the Fernald Closure Project waste pits that was dispositioned to an offsite facility was transported by railcar. The sitewide railroad tracks are part of the rail system that was used for transportation.

4.0 Schedule

The implementation schedule for field remediation of Components G-001 and the Train Trestle are identified in Table 4-1.

TABLE 4-1 PADDY'S RUN TRAIN TRESTLE AND COMPONENTG-001 D&D SCHEDULE

Activity	Date	
Train Trestle Demolition Start	July 8, 2006	PCN2
Component G-001 Demolition Start	June 12, 2006.	PCN2
Train Trestle Complete Demolition	July 15, 2006	PCN2
Component G-001 Complete Demolition	July 17, 2006.	PCN2
Issue Project Completion Report	As part of the MSS Phase II Project Completion Report. See Figure 4-1 from the MSS Phase II D&D Project Implementation Plan, 1751-PL-0004 (Rev 0) PCN1 dated February 2003.	

5.0 Photographs

Photos compiled for the Paddy's Run Train Trestle and Component G-001 are summarized in Table 5-1 and attached as Appendix A.

TABLE 5-1 PHOTOGRAPHS

Component	Photo #
Train Trestle at Paddys Run Creek	6349D-1240; View of track at the elevation.
Train Trestle at Paddys Run Creek	6349D-1851; View from Paddy's Run Creek.
Site-Wide Railroad Tracks Component G-001	8148D-111; Railyard Aerial.
Site-Wide Railroad Tracks Component G-001	6349D-1928; Railroad track switchback.

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